

Proline Tank Mixes



Recent Changes

07/07/2009 Proline + Amistar Opti + fenpropidin listed as incompatible

15/09/2008 Libspray 211 added

14/02/2007 Canopy (PGR) tank-mix included.

Proline may be applied in specified tank-mixtures. The matrix charts the recommended Herbicide, PGR and Fungicide compatibilities.

Please note that only tank mixtures selected from a single column and a single row are recommended, e.g. Proline + Swift SC + chlorothalonil + Eagle.

Fungicides	Fungicides						Herbicides																Plant Growth regulators															
	chlorothalonil SC*	Corbel	Tern	Fortress	Orka	Torch Extra	Ally Max SX	Atlantis WG + Biopower	Atribut	Boxer	Capture	Cheetah Super/Triumph + Toil	Chekker	Duplosan	Eagle	Foundation	Grasp + Output	Harmony M SX	Hussar	Oxytril CM	Presite SX	Quantum SX	Sekator	Starane/Starane XL	Traton SX	Topik + Actipron	Adjust	Cerone	Chloromequat	5C Cycocel	Chlorimaquat + Moddust	Moddus	Meteor	Meteor + Moddus	Terpal + Agral	Upgrade		
Proline	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Amistar	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Amistar + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + F500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + F500 + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Corbel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Fortress	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Tern	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Swift SC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Swift SC + chlorothalonil SC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Proline + Torch Extra	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

- ✓ compatible
- * not compatible

blank not known
 † At rates specified below

* approved chlorothalonil SC formulations only

In addition to the tank-mix recommendations above, Proline can also be tank-mixed with one additional product from either the lists of insecticides or micro-nutrients.

Do not mix Proline + Hussar or Proline + Atlantis + biopower with micro-nutrients or insecticides

Do not tank-mix Proline + Amistar Opti + fenpropidin - physically incompatible

Insecticides	Micro-nutrients			
Cypermethrin	Headland Mn 15%	Verdi-Crop Supha N	Yara Phosyn Magflo 300	Yara Phosyn Stopit
Sumi-Alpha	Headland Respond	Verdi-Crop 4 Yield Extra*	Yara Phosyn Magphos K	Yara Phosyn Zintrac
Decis	Headland Spirit	Verdi-Crop Zinic	Yara Phosyn Mancozin	Yara Phosyn Photrel
Fury 10 EW	Libspray 211	Yara Phosyn Beetrac	Yara Phosyn Mancu flo	Yara Phosyn Phosamco
Mavrik	Verdi-Crop Human Xtra	Yara Phosyn Coptrel	Yara Phosyn Mantrac DF	Yara Phosyn Liquid Mantrac 15%
Hallmark	Verdi-Crop Magnor	Yara Phosyn Croplift	Yara Phosyn Mantrac 500	
Aphox	Verdi-Crop Sitec	Yara Phosyn Foliar Potash	Yara Phosyn Sulpur F 3000	

* Do not apply in less than 100L of water/ha

Additional 2 way tank mixes

- Proline + Canopy
- Proline + Cyflamid
- Proline + Flexity
- Proline + Folicur
- Proline + Talius
- Proline + Stronghold
- Proline + Swipe

Proline Tank Mixes



Tank-mix precautions

PGR tank mixtures

Proline + strobilurin may be applied, before crop GS32, in mixture with one of the following (dose/ha): -

Moddus 0.2L + chlormequat 1.25L (winter wheat)

Moddus 0.1L + chlormequat 1.25L (winter barley – light soils or malting crops)

Moddus 0.2L + chlormequat 1.25L (winter barley – Other soils and feed crops)

Before using any of the mixtures shown above, first check the manufacturer's latest recommendations for Moddus.

DO NOT use Proline + strobilurin + Moddus + chlormequat on Spring Barley.

Adjuvants

In soft crops avoid the use of tank-mixtures with HBNs or Atlantis+biopower. In particular, tank mixtures with EC fungicide formulations as this may result in transitory adverse crop effects.

Sulphonyl Ureas (SU)

All sulphonyl urea herbicides have the potential to cause damage to sensitive crops if residues are left in the spray tank. For this reason sprayer hygiene following the use of SU + chlorothalonil + Proline is very important. Sprayers should always be thoroughly cleaned out with a proprietary sprayer cleaner immediately after use. This should always take place, even if further cereal crops have been treated by the sprayer between the last application SU mixtures and a subsequent broad leaved crop.

Cheetah Super, Grasp or Topik

Adjuvant oil recommended by the herbicide manufacturer may be added in mixes with Proline + strobilurin.

Do NOT use any of these herbicides in mixes with Proline + strobilurin + Moddus + chlormequat

Trace Elements

These products are physically compatible only, there is no information on crop safety available

General Precautions

For any tank-mix it is important that the appropriate manufacturer's recommendations should be consulted and followed, and care taken to ensure that applications are made within the recommendations for each product.

First disperse Proline in the spray tank (follow label 'Mixing' instructions), then add the other product(s), unless specified otherwise.

All mixes should be sprayed immediately and agitated throughout until the spray tank is empty.

The user should ensure that all products to be tank-mixed with Proline are approved for use on the crops which are to be sprayed.

Always check individual product labels for any possible restrictions before making a tank-mix recommendation.

Contact Bayer CropScience Limited for full details.

Please note that physical compatibilities may not be approved tank-mixes. Physical compatibility tests check that the products are physically suitable for application with a conventional sprayer. The tests do not check for any adverse crop phytotoxicity or for the biological efficacy of the individual components when applied in a tank mix. Bayer CropScience gives no warranty and accepts no liability in respect of physical compatibilities.

Atlantis, Attribut, biopower, Capture, Cerone, Chekker, Cheetah, decis, Eagle, Fandango, Helix, Hussar, Mobius, Oxytril, Pacifica, Proline, Prosaro, Sekator, Sphere, Swift, Torch, Upgrade and Veto are registered trademarks of Bayer CropScience. All other brand names used in this list are trademarks of other manufacturers in which proprietary rights may exist.

For more information, please visit the combineable crops section at www.bayercropscience.co.uk or call Bayer Assist on 0845 6092266

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Always read the label: use pesticides safely. © Bayer CropScience 2009

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